



ORANGE COUNTY AMATEUR RADIO CLUB

VOL. XXX NO 3

P.O. BOX 3454, TUSTIN, CA 92681

MARCH 1989

MARCH MEETING PROGRAM

ARRL SOUTHWESTERN DIRECTOR TO SPEAK

Fried Heyn / WA6WZO WILL BE THE PROGRAM SPEAKER
AT THE OCARC MEETING ON FRIDAY, MARCH 17, 7:30 PM
Fried WILL GIVE AN UPDATE OF LATEST ARRL EFFORTS

OCARC TO HOLD PIZZA PARTY

SATURDAY, MARCH 18th at 6:00 PM

EVERYONE IS INVITED! SEE DETAILS ON PAGE 7 OF "RF"

NEW LOCATION FOR MONTHLY BREAKFAST

OCARC MONTHLY BREAKFAST GATHERINGS WILL SWITCH
TO DENNY's RESTAURANT ON EAST 17th STREET IN SANTA
ANA. SEE DETAILS ON PAGE 2 AND PAGE 3 OF "RF"

1989 CLUB BOARD of DIRECTORS

President	Frank Smith ...	WA6VKZ	730-7142
Vice President	John Roberts	WA6LAB	540-7368
Secretary	Bob Tegel	KD6XO	531-0926
Treasurer	Mark Stanford	KJ6JC	991-7398
Activities	Ken Konechy	W6HHC	541-6249
Membership	Tom Thomas	WA6PFA	771-2917
Public Relations	Jim Talcott	N6JSV	838-5395
T.V.I. Chairman	Bob Eckweiler ...	AF6C	639-5074
Member at Large	Ron Toering	KB6EZP	971-5180
Member at Large	Kei Yamachika	W6NGO	538-8942

CLUB APPOINTMENTS

Club Historian	Bob Evans	WB6IXN	543-9111
W6ZE Trustee	Bob Eckweiler	AF6C	639-5074
R.F. Editor (Act.)	Ken Konechy	W6HHC	541-6249

CLUB FUNCTIONS

MONTHLY MEETING: 3rd Friday of each month, 7:30 PM at:
MERCURY SAVINGS & LOAN
 1095 Irvine Blvd. (4th St. becomes Irvine Blvd)
 Tustin, CA. (_Talk-in on 146.55 MHz _)

Mar 17th

Apr 21st

May 19th (Take the 4th St. exit of the 55 FREEWAY
 and head east. Continue about two blocks
 past Newport Blvd. It's on the left.)

CLUB BREAKFAST: 1st. Saturday of each month, 8:00 AM at:
Denny's Resturant (! ! New location ! !)
 2314 East 17th Street
 Santa Ana, CA. (714) 543-0872

Apr 1st

May 6th (2nd building west of the Newport (55) Freeway)

CLUB NETS

BAND	MODE	DAY	LOCAL TIME	FREQ MHz	SPLIT	PL	OPERATOR
2 Meters	FM	Wed	2100 hrs.	146.550	smplx	na	W6HHC
15 Meters	SSB	Wed	2000 hrs.	21.375*	smplx	na	WB6IXN
15 Meters	CW	Thu	2000 hrs.	21.175*	smplx	na	KB6NAX

(Listen for W6ZE, net control) *Plus or minus QRM

ARES DISTRICT NETS

NOTES

2 Meters	FM	Mon	1900 hrs.	146.220	-600	1A	N6HQI	1
2 Meters	FM	Mon	1915 hrs.	145.340	-600	4Z	WA6VKZ	2
2 Meters	FM	Mon	1930 hrs.	noted	smplx	na	noted	3

1 - ARES Info net. 2 - ARES District 3 net starts after info net is completed (Usually 1915 hrs).
 3 - City nets: Orange: 146.565, N6OWF; Tustin: 146.505, WA6VKZ; Santa Ana: 147.585, W6HHC.

"... PREZ SEZ..."

To all the club members who could not make the February club meeting. YOU, all, missed two (2) great presentations. Albeit through a very fortunate mix-up. The first presentation was by BOB NI6R with Super-Comm 64 remote-station-control-unit. KEITH K6PVS was the second speaker with a presentation on weak signal VHF propagation.

BOB/NI6R's presentation was quite interesting to me because this whole system can be solar powered in case of an emergency.

KEITH/K6PVS's presentation was very interesting because it showed that there are others out there who do not use repeaters.

Keith also talked about grid squares and how some grid squares are very rare akin to rare DX.

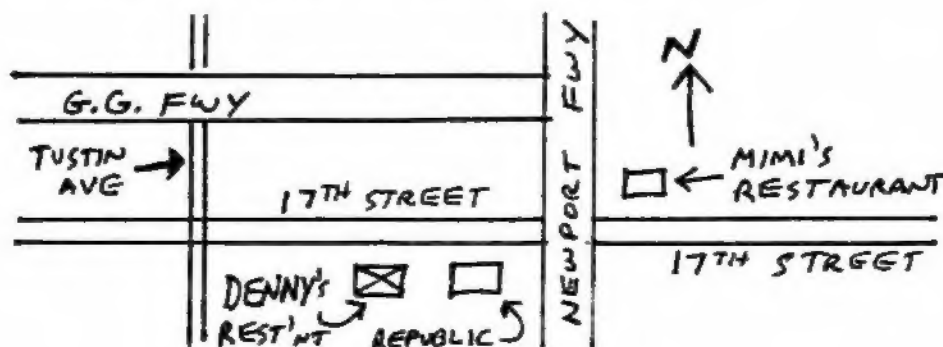
This could be a good opportunity for W6ZE to do more good for the Radio Amateur Community. How about a micro-grid square expedition to a rare grid square...say next September? Call me.

Trying to meet my goals for the year as Prez! I need volunteers to rewrite the Constitution and By-Laws, again please call.

73's
Frank/WA6VKZ

NEW LOCATION FOR OCARC's MONTHLY BREAKFAST

After two years in the same restaurant, the Board of Directors agreed to try a new location. Starting in APRIL, the OCARC will have their club breakfast to DENNY's RESTAURANT located at 2314 East 17th Street in Santa Ana (Denny's is the 2nd building west of the Newport Fwy and is right next door to Republic Savings and Loan). The Next breakfast will be held on April 1st at 8 AM. We hope to see you there!!



*** ON THE NETS ***

(15m phone net)

by BOB/WA6IXN

2/1 IXN helps young lad wid his algebra & gets on air late. Net is informal, & NG7D & XO discuss new 17m band on 18.068-18.168 MHz, 1500W output, on a shared basis until July 1, then band will be totally fer amateur use. IXN hasn't worked 17m yet, but can load on 15m wid low SWR! YZG will listen to new band tomorrow or next day. XO was net control on 10m a few years back. 2/1 2m phone net - W6ZE/HHC checks in AF6C, BPX, JSV, YZG, XO, WLO, RND, PFA, RE, BOP (Phil), JC, IMP...nice check-in, OPs! AF6C inquires location of BOP's QTH (SA address but still in County). All receive BOP's gud sigs. BPX is still fighting flu, bought a new sprayer, & must trim 1 avocado tree. JSV's fence blew down. YZG's TV conked out last Sat., so he & XYL are reduced to 'black & white' until repairs are done! PFA's printer will not handle WX FAX, & Tom's neighbor has a TRS 80 Mod IV fer sale! All OPs want IXN to stuff ticket box at HRO in hopes of winning new ICOM 2m HT. RND is interested in contacting someone wid an RFJ TNC. XO reports a 3.8 mag. quake off Malibu (aftershock of Jan. 5+ quake). PFA & HHC offer to make packet contacts wid RND. WLO will be at Club breakfast on Sat. JC has nice sigs at HHC's QTH. RE plays Westlink tapes & loads 'rainspout' ant. on 17m! 2/2 15m CW net - W6ZE/IXN checks in NG7D & TEJ. John hears KH6 land on 17m. He does better wid contacts on CW QRP. John got a rare QSL frm WN4VCH today! And R.J. has a dying 9v battery in his keyer...he goes to strait key. R.J. also goes to son's school to see abt a trip to Wash., D.C. next Wed. IXN briefly discusses Richter scale wid R.J. 2/8 15m phone net - W6ZE/IXN checks in IMP, RND, NG7D, XO, & YZG...largest check-in fer ages! IMP turns beam to hear XO better, & he discusses possible 2m rig fer IXN! NG7D has confirmed 30 states on 17m, & RND explores packet wid his PK-232, making 6 connects & 2 bulletin brds last Sun. XO has an 8-page 'RF' ready to go to press, & YZG's XYL, Fran, is continuing therapy fer her arm, & RND had an intermittent power drop at beginning of net. 2/8 2m phone net - W6ZE/HHC checks in BPX, PFA, SDU, RE, RND, XO, YZG, AF6C & IMP. IXN & LAB are on the side. BPX steps outside, shivers, & remains indoors during cold snap. Wyatt tells all abt snow in GG in 1949! PFA, ice cream in mouth, remembers snow in 1949 at Newport Beach, too. Tom also works island off Chile, 28.1055 LSB, on 10m packet! HHC comments on the need of a DXCC packet award! IXN can't hear SDU too well...but picks up strains of a 'Holland ham' frm Foster! XO also remembers 40s snow...He was in kindergarten in Costa Mesa! RE hears NGO & COJ QSOing wid a 9 call on 15m. Alex also plays the Westlink tapes. XO downloads 'RF' materials frm YMH & AF6C. YZG, RND, & IMP are 'in the noise' wid the WX cube rcvr at IXN's QTH! 2/9 15m CW net - W6ZE/IXN picks up IMP, who has zero-beat exactly on 21.175! I get a phone call & miss Chris before I can make contact! 2/15 15m phone net - W6ZE/IXN checks in NG7D & VE5YE, Joe, in Nova Scotia! Also, Bob, N6BNN, Costa Mesa, joins the group. Bob, BNN, has a tribander at 55 ft., & is a State Farm Ins. agent. Joe wants to know if we can make contact wid a Cecil Lafonte in Desert Hot Springs. A Joe Zacker had heart surgery & Mr. Cecil wud know his condition. NG7D informs Joe abt the Western States Public Service Net on 3952 KHz. Joe also has worked KE6MR, Harry, in Hemet. 2/15 2m phone net - W6ZE/HHC checks in AF6C, RE, BOP, PFA, JSV, IMP, JC, XO, BNN, & G4BHQ, Lew, frm Guildford, Surrey Cty, England, at JSV's QTH. AF6C tells net that all goes well at City of Orange ARES meeting. Corky, HHC, & LAB also meet wid Santa Ana officials concerning Santa Ana ARES. PFA is now getting WX FAX maps on the screen at his QTH. And 'TVI' on 146.43 was heard frm the TVI Chmn?! JSV is pleasantly surprised by notes left by BHQ at the QTH. JSV invites Lew to join us on the net & attend Fri. eve. Club meeting. The Guildford Radio Club, 26 mi. S.SW. of London, meets 2 times/month. IMP was searching fer something...cudn't make out what at IXN's QTH! And BOP buys a '440' to go on 10m. BNN, Bob, still hasn't discovered how JSV knew he was an insurance salesman!? (Psychic powers, Jim?!) What's this!...JC sells a rig in 1/2 hr?!...a future auctioneer fer the Club auction! RE plays the Westlink tapes & XO receives 'cudos'frm OPs on the excellent 'RF' fer Feb., after he returns home

..... cont'd on PAGE 8

A NEW BBS "SOFTWARE VIRUS" ON PACKET RADIO

Now that the PACKET RADIO Bulletin Board Station (BBS) software package from W0RLI has an optional "lookup" table for a person's home BBS, a new BBS "virus" has emerged:

" the AMBIGUOUS HOME BBS!"

Please be consistent when picking your "home BBS". If you tell two different BBSs a different "Home BBS", you can set up a condition that will, at best, delay your mail; at worst, there can actually be a "loop" generated, whereby your mail is "Ponged" between two BBSs that each believe your home BBS is the other. "Leper's mail" I call it.

There were a couple of recent examples that I discovered. In one case, I sent a message to the BBS of origination in response to a query by an individual user. Although I wasn't watching at the time, the mail was forwarded to the first BBS which decided that this particular user was at an altogether different system, changed the "@BBS FIELD" on the PACKET mail header, and sent it back this way so my BBS would forward it to the other "home" BBS.

Another case involved mail originated at a BBS that thought the mail should go to the next one over. The second BBS sent it back, and so forth. The RLI code will finally "hide" mail like that until the SysOp can figure out what to do with it. This can result in delays of up to a week for systems that are not attended on an unlimited basis.

This is the bottom line: USE THE SAME HOME BBS! DON'T use a K-NODE or any other firmware-based TNC BBS when listing your home BBS on the local WestNet BBS. That way, mail to you will show up at the same place every time. Merely check-in and read your mail.

By the way, there are many PACKET BBSs around California that have relatively few users - and no restrictions like the CASH ONLY line at your local supermarket. Just log on and get the mail. You don't need to check in to the "popular" system - the same stuff is available at the other, less used system. Check around for a system in your area. Save your-self some time and energy.

73, Bob, AJ6F @ AJ6F.#HAMSHACK.#TORRANCE.#LAX.#SOCAL.CA.USA.NA.EARTH
(COPIED VIA PACKET RADIO BULLETIN STATION, WB6YMH-2)

1989 OCARC DUES ARE DUE !!!

March is the last month in which to pay your 1989 dues, before you are dropped from the mailing of the club newspaper, RF. So, if you have forgotten to pay your 1989 OCARC dues, our Club Treasurer, Mark/KC6JC, will cheerfully take your dues at the next Club Meeting. If you can't be at the March Meeting, mail your check for \$12 to:

MARK STANFORD / KC6JC
1014 CHIPPEWA AVE.
ANAHEIM, CA. 92801

*** Epicenters, Foci, & What-not ***

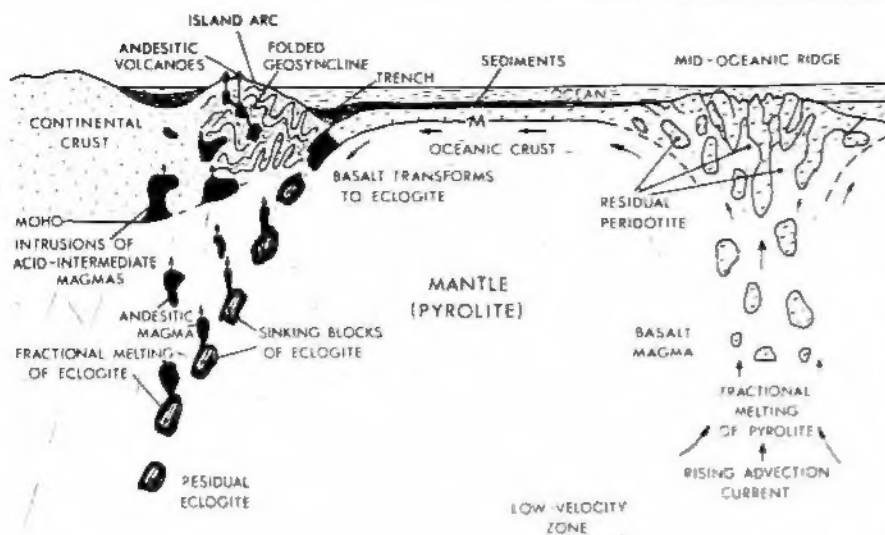


Figure 4.3: A hypothesis of mantle motion driven by density differences arising during chemical differentiation of acid magma (lava) under an island arc and basic magma under an ocean ridge. Reproduced, by permission, from Ringwood and Green (1966).

Deep-focus earthquakes are fewer in total number and more limited in geographical distribution than are shallow earthquakes. They appear to be virtually confined to the Pacific region. Relative numbers of deep and shallow earthquakes for the most active island arc regions, where deep focus earthquakes occur, are indicated in Fig. 4.4. The deepest known shock was at 720 km and it is probable that the deeper parts of the Earth are completely aseismic. However, earthquakes at all depths down to 720 km are evidently part of an over-all pattern of movement in the mantle. The distribution is not random—deep and shallow shocks are closely associated geographically and it can hardly be doubted that the same deep-seated process is responsible.

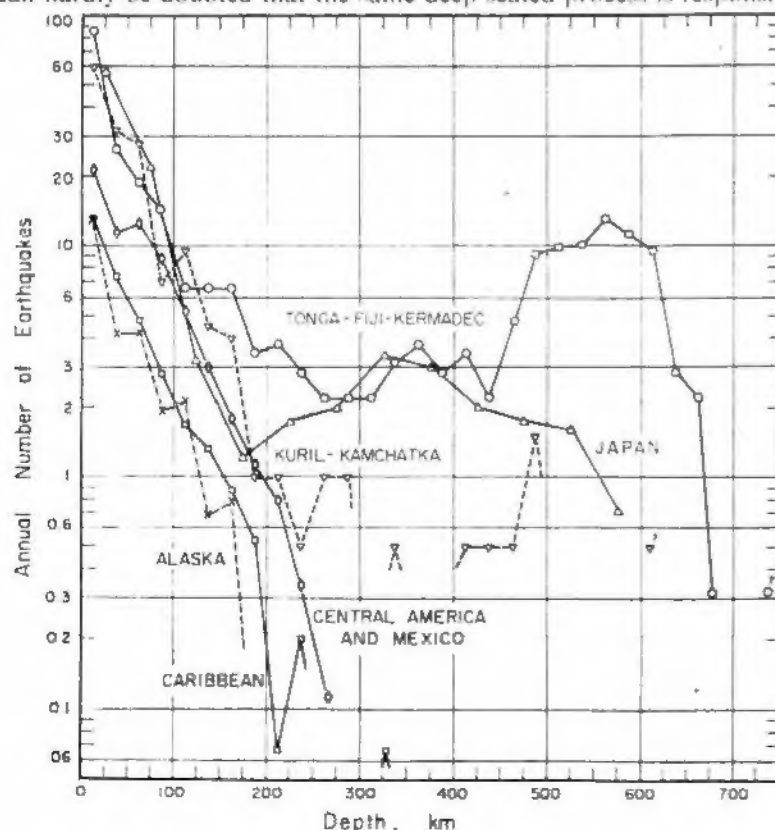


Figure 4.4: Variations in earthquake frequency with depth for six regions. Figure reproduced, by permission, from Isacks et al. (1968).

The energy released by an earthquake is dependent upon the duration (time) of the quake. TNT releases its energy quickly during an explosion, but a great earthquake might last ± 5 minutes! The longer the shaking and the greater the magnitude of the P & S waves, the greater the energy release! The EPICENTER of a quake is that point ON THE SURFACE OF THE EARTH under which the FOCUS, or point deep in the Earth, where the quake begins, is located. According to fig. 4.4, the material submitted by KD6XO, from the National Earthquake Information Center, is consistent with areas where quakes commonly occur. The recent swarm of quakes in the Molucca Passage, between the Sea of Japan & the Yellow Sea/East China Sea, may be due to subduction of ocean floor crust along the Japan Trench. The Kuril islands quakes are probably due to subduction of sea floor crust in the Kuril/Aleutian Trench. To locate these trenches, procure a Physiographic Chart of the Sea Floor. The Kermadec-Fiji-Tonga region is located approx. 180 deg. Longitude, 10-30 deg. S. Latitude (east of Australia), along the Kermadec-Tonga Trench. These deep sea trenches ring the Pacific Ocean. It is theorized that the huge Pacific Ocean plates are subducting in these trenches which accounts for the numerous earthquakes and volcanoes, & volcanic eruptions which add 'spice' to the lives of people who dwell along the shores of the Pacific Ocean.

de KD6XO/WB6IXN

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MINUTES OF FEBRUARY GENERAL MEETING

The February General Meeting was called to order at 7:33 pm on the 17th of the month by the President, Frank WA6VKZ. Board members WA6LAB & KB6EZP were absent.

- * Following the pledge of allegiance, the club had the privilege of having two speakers for the evening: Bob NI6R, who makes a product for the Ham shack called the Super Commshack 64 - a device that utilizes the sound chip in the Commodore 64 and lets you remotely control your station from a handi-talkie. Also at the meeting was Keith, K6PVS who gave us an interesting program concerning weak signal propagation both FM and HF.
- * Visitors were Bob, NI6R; Keith, K6PVS; Allan Rosewasne, a future ham; Lew, G4BHQ; and Phil, KC6BOP (now N6UJD).
- * There was no old business. New business - KI6UL to get certificate of appreciation for publishing the OCARC newsletter each month.
- * Alex, W6RE announced he has been appointed ARRL Assistant Director to Fried Heyn/WA6WZO and gets the ARRL newsletter. Also he reminds members that if your ARRL membership is due, the club gets monetary benefit if you renew through the club (The OCARC's ID number when you are renewing your ARRL Mmbership is 2201). Alex is also an ARRL Official Bulletin station.
- * Attendance was a total of 27 members and visitors.
- * Meeting was adjourned at 9:41.

Respectfully submitted

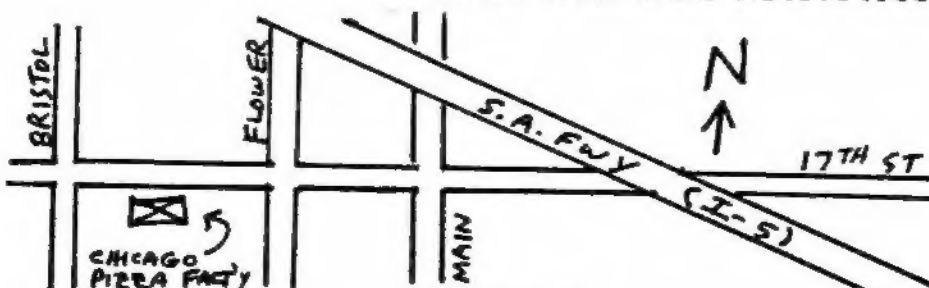
Bob, KD6X0 Secretary

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OCARC PIZZA PARTY - Sat., MARCH 18

Make plans to bring your family and friends to the OCARC Pizza Party that is planned for Saturday evening, March 18th (the night after our Club Meeting) at 6:00 PM. This Pizza Party is going to be held at the CHICAGO PIZZA FACTORY, located at 1120 West 17th Street in Santa Ana (between Flower St and Bristol Ave.). We have our own reserved for a fun evening of Pizza and swapping stories about the latest 10 METER DX!! We all look forward to seeing you at the OCARC PIZZA PARTY.

...via KEN/W6HHC Activities Chairman



"RF"

ORANGE COUNTY AMATEUR RADIO CLUB

MARCH 1989

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*** ON THE NETS *** - cont'd from Page 4

frm a meeting wid the Westminster Emergency Grp, where he saw a video on the Whittier Narrows earthquake! PFA lists 3357, 4975, 6946, 8680, 10865, 12125, & 20015 KHz as freqs. to receive WX & WX FAX info. 2/16 15m CW net- W6ZE/IXN checks in RND. RND & IXN discuss recent seismology in the White Mts. north of Bishop. RND will be working Field Day frm this location! If John's harmonics are feeling better frm the flu, he will travel to Bishop fer a 4-day weekend, if not, then we'll see him at Meeting! 2/22 15m phone net- W6ZE/IXN checks in NG7D, DK, & XO. (RND listens but does not speak!) NG7D shud soon pick up his WAS on 17m! John has also started a postal inquiry on Dick Smith Electronics...they cashed his check, but no catalogue! XO checks in after returning from a Westminster Emergency Group meeting. Bob & XYL wheel 5 donkeys & 3 vehicles to a horse show last Sun. IXN inquires abt 'Cross Fault' in Imperial Valley. DK will be out of town at next Club meeting. Ken asks fer amt. of dues fer the Club. 2/22 2m phone net- W6ZE/HHC/XO checks in IMP, RE, IXN, RND, BOP/UJD, JSV, PFA, & YZG. IXN, using Club TR-7400-A, joins net fer 1st time. XO becomes interim W6ZE as HHC picks up harmonic at work. IMP is working late this week & informs group of 'YMH troubles' on packett. Chris also has packett QSO wid AF6C. RE plays Westlink tapes (don't ferget U4MIR arnd 1900 ZULU on 146.550 or 146.650 simplex). RE also informs us that LJA contacts abt a dozen stations on 20m CW last night! RND likes 'keyboard CW' wid the new PK-232. John's having trouble wid his printer on RTTY...AMTOR next, John? BOP becomes N6UJD! Congrats, Phil! Phil thanks PFA fer help wid the ant. JSV & EZS 'maalox down' after their bout wid a Church potluck supper! PFA interests NG7D (listening on side) wid his 'SAY IT' or 'SAM' program fer the Commodore 64, which PFA demonstrated on net. YZG checks in late... Lu got trapped by the 'TV' & fergot net time. After net, HHC, PFA, & IXN talk wid Kent, KC6ATK, in West Orange. Hpe we can get ATK to a Club meeting! 2/23 15m CW net - W6ZE/IXN checks in RND. We discuss 'Cross Fault' article in today's Register. It appears that seismologists are developing more 'theories' abt earthquakes than 'Carter has pills'!! RND confirms RE's comments on 20m...the band is wide open at night! IXN thanks RND fer alerting him abt Register article.

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P.O. BOX 3454
TUSTIN, CA. 92681



DATED MATERIAL !!!

FIRST CLASS MAIL